Recombinant Mouse Fcgrt/B2m protein, His/Strep II/Avi-tagged, Biotinylated

Cat. No. Fcgrt & B2m-1546M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse FCGRT(Ser 22 - Ser 297)/B2M(Ile 21 - Met 119), the subunit FCGRT / FcRN carries an Avi tag at the C-terminus, followed by a polyhistidine tag, the subunit Beta-2 microglobulin (B2M) carries a Twin Strep tag at the C-terminus was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	FCGRT(Ser 22 - Ser 297)/B2M(Ile 21 - Met 119)
Predicted N Terminal	Ser 22 (FcRN) & Ile 21 (B2M)
Form	Lyophilized from 0.22um filtered solution in PBS (pH 7.4) with Trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 34.7 kDa (FcRN), 14.7 kDa (B2M) . The protein migrates as 45-50 kDa (FCGRT), 15 kDa (B2M) respectively on a SDS-PAGE gel under reducing (R) condition due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Notes	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.No activity loss is observed after storage at:4-8 centigrade for 12 months in lyophilized state;-70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 200 μg/mL in sterile deionized water. For best performance, we strongly recommend you to follow the reconstitution protocol provided in the COA.

GENE INFORMATION

Gene Name	Fcgrt Fc receptor, IgG, alpha chain transporter [Mus musculus]
Official Symbol	Fcgrt
Synonyms	FCGRT; Fc receptor, IgG, alpha chain transporter; IgG receptor FcRn large subunit p51; neonatal Fc receptor; igG Fc fragment receptor transporter alpha chain; FcRn;
Gene ID	14132
mRNA Refseq	NM_010189
Protein Refseq	NP_034319
MIM	
UniProt ID	Q61559
Chromosome Location	7 B4; 7 29.12 cM

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Function	IgG binding; beta-2-microglobulin binding; receptor activity;

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